# PATENT COOPERATION TREATY

# **PCT**

# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION	as woll	see Form PCT/ISA/220 I as, where applicable, item 5 below.
P04/030-do/gs International application No.	International filing date (day/month		
••		vyear)	(Earliest) Priority Date (day/month/year)
PCT/EP2005/001443	14/02/2005		26/02/2004
Applicant			
MERCK PATENT GMBH			
IERCK FAIENI GMBA			
This International Search Report has be according to Article 18. A copy is being to	en prepared by this International Searc	hing Auth	ority and is transmitted to the applicant
This International Search Report consist			
	y a copy of each prior art document cit		report
	, a sep, as seen prior are document of		eport.
<ol> <li>Basis of the report</li> <li>a. With regard to the language, the</li> </ol>	international search was carried out o	n the hasi	s of the international application in the
language in which it was filed, ur	nless otherwise indicated under this ite	n.	s of the international application in the
The internationa this Authority (R	l search was carried out on the basis o	f a translat	tion of the international application furnished to
	• • •	lisclosed in	n the international application, see Box No. I.
			The international application, see Box No. I.
2. Certain claims were for	und unsearchable (See Box II).		
3. X Unity of invention is lac	cking (see Box III).		
•			
4. With regard to the title,	de color 11 de la		
	ubmitted by the applicant. Shed by this Authority to read as follows		
	IVES AS KINASE INHIBITO		
		110	
With regard to the abstract,			
the text is approved as su			
may, within one month fro	ned, according to Hule 38.2(b), by this m the date of mailing of this internation	Authority a	as it appears in Box No. IV. The applicant report, submit comments to this Authority.
. With regard to the drawings,			
a. the figure of the drawings to be p	ublished with the abstract is Figure No.		<del></del>
as suggested by t	he applicant.		
	Authority, because the applicant failed		
	Authority, because this figure better c	haracterize	es the invention.
o. Light notice of the figures is to be	published with the abstract.		

International Application No PCT/EP2005/001443

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07D213/68 C07D213/81 C07D401/12 A61K31/4409 A61P19/02

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - C070

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data, PAJ

C. DOCUM	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	WO 01/38324 A (SMITHKLINE BEECHAM P.L.C; DEAN, DAVID, KENNETH; LOVELL, PETER, JOHN; T) 31 May 2001 (2001-05-31) claim 1	1-33
X	PATENT ABSTRACTS OF JAPAN vol. 015, no. 214 (P-1209), 31 May 1991 (1991-05-31) -& JP 03 059652 A (KONICA CORP), 14 March 1991 (1991-03-14) abstract; compounds H-23	1
X	EP 0 497 265 A (KONICA CORPORATION) 5 August 1992 (1992-08-05) claim 1; compound 8	1
	-/	

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:  'A' document defining the general state of the art which is not considered to be of particular relevance  'E' earlier document but published on or after the international filing date  'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  'O' document referring to an oral disclosure, use, exhibition or other means  'P' document published prior to the international filing date but later than the priority date claimed	<ul> <li>*T* tater document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>*&amp;* document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
20 May 2005	Q 1. 08. 2005
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  Fax: (+31-70) 340-3016	Authorized officer Seelmann, I

International Application No
PCT/EP2005/001443

C (Continu	otion) DOCHMENTS CONSIDERED TO DE CEL SUCCES	PCT/EP2005/001443
Category	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	
	or decement, with indication, where appropriate, or the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11, 28 November 1997 (1997-11-28) -& JP 09 185155 A (FUJI PHOTO FILM CO LTD), 15 July 1997 (1997-07-15) abstract; compounds 7,9,11,12,28	1
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 007 (P-1465), 7 January 1993 (1993-01-07) -& JP 04 238347 A (KONICA CORP), 26 August 1992 (1992-08-26) abstract; compounds 9,14,21	1
X	US 5 817 449 A (NAKAMURA ET AL) 6 October 1998 (1998-10-06) compounds 22,26,I-2,I-17,I-29,I-31	1
X	DE 29 44 783 A1 (MITSUI TOATSU CHEMICALS, INC; MITSUI TOATSU CHEMICALS, INC., TOKIO/TOKY) 22 May 1980 (1980-05-22) claim 1; compound 64	1
X	EP 0 331 096 A (KONICA CORPORATION) 6 September 1989 (1989-09-06) claim 1; compounds 64,69,86,89,90,92,93	1
X	WO 03/051276 A (ASTRAZENECA AB; CHENG, YUN-XING; LUO, XUEHONG; TOMASZEWSKI, MIROSLAW;) 26 June 2003 (2003-06-26) i.a. Ex. 3-5,claim 1	1
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10, 31 October 1997 (1997-10-31) -& JP 09 152701 A (FUJI PHOTO FILM CO LTD), 10 June 1997 (1997-06-10) abstract; claims 1,2; compounds D3,D5,D6,D11,D12,D13,D15,D18	1
(	PHOSPHORUS, SULFUR AND SILICON AND THE RELATED ELEMENTS, 90(1-4), 111-19 CODEN: PSSLEC; ISSN: 1042-6507, 1994, XP009048018 compound 13	1

International application No. PCT/EP2005/001443

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)	
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:	
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:	
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:	
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows:	
see additional sheet	
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.	
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.	
3. As only some of the required additional search fees were timely pald by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:	
A. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-31	
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.	

# FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-31

subject-matter relating to compounds of formula I and II

2. claim: 32

subject-matter relating to compounds of formula III

3. claim: 33

subject-matter relating to compounds of formula IV

.nformation on patent family members

International Application No
PCT/EP2005/001443

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